Coding Style Guide

Software Design and Implementation

C++ version 17 should be used on the project.

# Naming Conventions

* All variable and function names should be readable and understandable by anyone viewing code, even without prior understanding of the project.
* Names should be relevant to the purpose of the object  
  string nameOfBook
* Well known abbreviations such as ‘i’ for iteration are acceptable  
  
* Variable names should be camelCase, same applies for functions  
  Int tableNumber
* Class names should use CamelCase  
  Class Book
* Constants should be named in all capitals, the same with pre-processor directives  
  const NUMBER\_OF\_ENTRYS = 2

# Layout

* The first brace in a function should share a line with the declaration  
  
* Closing brace should be on a new line

# Organisation

* Comments should be used to explain the purpose of code not the function of individual lines unless specifically complex
* Comments should be used sparingly, and effectively  
  // this function updates the table with new entries by incrementing the counter
* Header files should be created for projects and should contain classes, function declarations and include statements, they should also be named using camelCase
* Function variables should be declared in the narrowest scope possible as to increase readability and reduce clutter